

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An implant assembly for a shoulder joint having a humerus and a glenoid, the assembly comprising:

a head bounded by a convex surface and a planar base, the base including a female taper;

~~an adapter including a tray and an a male taper, the tray configured to be attached to the glenoid, and the male taper adapted to be received in the female taper of the head;~~

a humeral stem configured to be inserted in the humerus; and

~~a cup attachable to the stem and having a concave surface configured to articulate with the convex surface of the head; and~~

an adapter including a tray and a male taper, the tray configured to be attached to said cup, wherein the adapter is configured to connect the cup to the glenoid when the head is connected to the humeral stem, and wherein the adapter is configured to connect the cup to the humeral stem when the head is connected to the glenoid.

2. (Original) The assembly of claim 1, wherein the adapter includes a glenoid stem extending from the tray and implantable into the glenoid.

3. (Original) The assembly of claim 2, wherein the tray includes a curved back surface.

4. (Original) The assembly of claim 2, wherein the tray is substantially planar.
5. (Original) The assembly of claim 2, wherein the adapter is attached to the glenoid with a set of screws.
6. (Original) The assembly of claim 2, wherein the adapter is modular and the tray is attached to the glenoid stem with male-female tapers.
7. (Original) The assembly of claim 1, wherein the convex surface of the head is hemispherical.
8. (Original) The assembly of claim 1, wherein the humeral stem and the cup comprise one integral component.
9. (Original) The assembly of claim 1, wherein the humeral stem is attached to the cup with male-female tapers.
10. (Original) The assembly of claim 1, wherein the adapter is modular.

11. (Withdrawn) A method for selectively performing reverse and traditional arthroplasty for a shoulder joint that includes a humerus and a glenoid, the method comprising:

providing a head, a cup and a humeral stem;

providing a humeral adapter for attaching the head to the humeral stem in traditional arthroplasty;

providing a glenoid adapter for attaching the head to the glenoid in reverse arthroplasty;

selecting one of the humeral and glenoid adapters; and

performing the corresponding arthroplasty utilizing the head, the cup, the humeral stem and the selected adapter.

12. (Withdrawn) The method of claim 11, wherein the humeral and glenoid adapters are one and the same adapter.

13. (Withdrawn) The method of claim 12, wherein the adapter includes a first male taper selectively attachable to one of the humeral stem and a glenoid stem.

14. (Withdrawn) The method of claim 13, wherein the adapter includes a second male taper configured to be received in a female taper of the head.

15. (Withdrawn) The method of claim 11, wherein performing the corresponding arthroplasty includes:

- attaching the glenoid adapter to the glenoid;
- attaching the glenoid adapter to the head;
- attaching the cup to the humeral stem; and
- articulating the head with the cup.

16. (Withdrawn) The method of claim 11, wherein performing the corresponding arthroplasty includes:

- attaching the humeral adapter to the humeral stem;
- attaching the humeral adapter to the head;
- attaching the cup to the glenoid; and
- articulating the head with the cup.

17. (Withdrawn) The method of claim 16, wherein attaching the glenoid adapter to the glenoid includes attaching a glenoid stem to the adapter and implanting the glenoid stem to the glenoid.

18.-20. (Cancelled)

21. (Currently Amended) An assembly of implant components for a shoulder joint having a humerus and a glenoid, the assembly comprising:

- a humeral stem;
- a head having a convex surface;
- a cup configured to articulate with the convex surface of the head; and
- ~~an adapter selected from the group consisting of a glenoid adapter for a reverse shoulder arthroplasty, and a humeral adapter for traditional shoulder arthroplasty, wherein the glenoid adapter~~ [[is]] being configured to connect the head to the glenoid when the cup is connected to the humeral stem, and wherein the ~~humeral~~ adapter is configured to connect the head to the humeral stem when the cup is connected to the glenoid.

22.-23. (Cancelled)

24. (Currently Amended) The assembly of claim 21, wherein the glenoid adapter is connected to the head with one of mating male and female tapers.

25. (Currently Amended) The assembly of claim 21, wherein the glenoid adapter is connected to the glenoid through a glenoid stem.

26. (Currently Amended) The assembly of claim ~~[[21]]~~ 25, wherein the ~~glenoid~~ adapter is connected to the glenoid stem with mating male and female tapers.

27. (Original) The assembly of claim 21, wherein the head includes a planar base and a female taper.

28. (Cancelled)

29. (Withdrawn) An assembly of implant components for a shoulder joint having a humerus and a glenoid, the assembly comprising:

a plurality of humeral stems;

a plurality of heads;

a plurality of cups configured to articulate with corresponding heads;

a plurality of glenoid adapters for a reverse shoulder arthroplasty, and a plurality of humeral adapters for traditional shoulder arthroplasty, wherein each glenoid adapter is configured to connect one of the heads to the glenoid when one of the cups is connected to one of the humeral stems, and wherein each humeral adapter is configured to connect one of the heads to one of the humeral stems when one of the cups is connected to the glenoid.

30. (Withdrawn) The assembly of claim 29 wherein at least one humeral adapter is modular.

31. (Withdrawn) The assembly of claim 29 wherein at least one glenoid adapter is modular.

32. (Withdrawn) The assembly of claim 31, wherein said modular adapter includes a glenoid stem.

33. (Withdrawn) The assembly of claim 29, wherein at least one cup is modular.

34. (Withdrawn) The assembly of claim 33, wherein said modular cup includes a bearing base and a bearing.

35. (Withdrawn) The assembly of claim 29, wherein at least one head is modular.

36. (Withdrawn) The assembly of claim 29, wherein the plurality of humeral stems includes humeral stems of different sizes.

37. (Withdrawn) The assembly of claim 29, wherein the plurality of heads includes heads of different sizes.

38. (Withdrawn) The assembly of claim 29, wherein the plurality of cups includes cups of different sizes.

39. (Withdrawn) The assembly of claim 29, wherein the plurality of glenoid adapters includes glenoid adapters of different sizes.

40. (Withdrawn) The assembly of claim 29, wherein the plurality of humeral adapters includes humeral adapters of different sizes.

41. (Withdrawn) The assembly of claim 40, wherein some glenoid adapters are also humeral adapters.

42. (Withdrawn) The assembly of claim 29, wherein some of the glenoid adapters are connected to corresponding heads with mating male and female tapers.

43. (Withdrawn) The assembly of claim 42, wherein said glenoid adapters are connected to corresponding glenoid stems with other mating male and female tapers.

44. (Withdrawn) The assembly of claim 29, wherein some of the humeral adapters are connected to corresponding heads with mating male and female tapers.

45. (Withdrawn) The assembly of claim 44, wherein said humeral adapters are connected to corresponding humeral stems with other mating male and female tapers.

46. (New) An implant assembly for a shoulder joint having a humerus and a prepared glenoid, the assembly comprising:

a first member defining a convex articulating surface;

a second member defining a concave surface configured to articulate with the convex articulating surface; and

a first adapter configured to be attached to said second member, wherein said first adapter is configured to connect said second member to the prepared glenoid when said first member is connected to the humerus, and wherein said first adapter is configured to connect said second member to the humerus when the first member is connected to the prepared glenoid.

47. (New) The assembly of claim 46, wherein said first adapter is a third member comprising a tray and a male coupling taper, said tray being configured to be attached to said second member.

48. (New) The assembly of claim 46, further comprising a second adapter configured to be attached to said first member, wherein said second adapter is configured to connect said first member to the prepared glenoid when the second member is connected to the humerus, and wherein said second adapter is configured to connect the first member to the humerus when the second member is connected to the glenoid.

49. (New) The assembly of claim 48, wherein the second adapter is a fourth member comprising a tray and a male coupling taper, the tray being configured to be attached to the first member.

50. (New) The assembly of claim 46, further comprising a humeral stem configured to be inserted in the humerus, said first adapter being configured to be coupled to the humeral stem.

51. (New) The assembly of claim 48, wherein the second adapter defines a fastener accepting aperture.